

Message Text

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ORIGIN AEC-11

INFO OCT-01 EUR-25 ISO-00 SCI-06 ACDA-19 CIAE-00 INR-10

IO-14 L-03 NSAE-00 NSC-07 RSC-01 FEA-02 COA-02 AID-20

CEA-02 CIEP-02 COME-00 DODE-00 EB-11 FPC-01 H-03

INT-08 OMB-01 PM-07 SAM-01 SPC-03 SS-20 STR-08

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DRAFTED BY:AEC:YEVICK/PENKOWSKY/FRIEDMAN

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APPROVED BY:SCI/SA:OGANLEY

AEC:ASFRIEDMAN AEC:TANEMZEK SCI/SA:RJWALD EUR/SES:RPARDON

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R 132307Z MAR 74

FM SECSTATE WASHDC

TO AMEMBASSY MOSCOW

UNCLAS STATE 050780

FOR SCI COUNSELOR

E.O. 11652: N/A

TAGS: TECH, ENRG, OTRA, UR

SUBJECT: US-USSR S&T AGREEMENT: ENERGY AREA: DESIGN AND
OPERATION OF HEAT REJECTION SYSTEMS

1. REQUEST EMBASSY PASS FOLLOWING FROM T.A. NEMZEK (AEC),
US PROJECT COORDINATOR, TO HIS COUNTERPART TRUBITSYN (CHIEF,
MAIN TECHNICAL ADMINISTRATION, MINISTRY OF POWER AND
ELECTRIFICATION).

2. BEGIN QUOTE: YOUR RESPONSE TO OUR PROPOSAL TO HOLD
FIRST JOINT MEETING OF EXPERTS IN US MOST GRATIFYING. WE
PROPOSE THAT SOVIET GROUP ARRIVE APRIL 21, AND MEETING TAKE
PLACE IN WASHINGTON APRIL 22-24, WITH VISITS TO US FACILITIES
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AFTERWARD. SUGGESTED AGENDA AND ITINERARY FOLLOW:

MONDAY AFTERNOON, APRIL 22

1. REVIEW AGENDA AND ITINERARY.
2. DISCUSS PROPOSALS FOR COOPERATIVE ACTIVITIES.

TUESDAY, APRIL 23

PRESENTATIONS BY US SIDE OF THE STATUS AND ECONOMICS OF
HEAT REJECTION SYSTEMS IN THE US.

1. AVAILABLE COOLING CAPACITY IN THE U.S.
2. U.S. WATER QUALITY STANDARDS.
3. STATUS OF RESEARCH AND DEVELOPMENT FOR THERMAL
EFFECTS.
4. INTAKE STRUCTURE DESIGN AND RELATED ENVIRONMENTAL
CONSIDERATIONS.
5. ECONOMICS, DESIGN AND OPERATION OF HYPERBOLIC NATURAL
DRAFT EVAPORATIVE COOLING TOWERS.
6. ECONOMICS, DESIGN AND OPERATION OF DRAFT EVAPORATIVE
COOLING TOWERS.

NOTE: FIFTEEN MINUTE DISCUSSION OF U.S. PRESENTATIONS
AFTER EACH PAPER.

WEDNESDAY, APRIL 24

1. CONTINUATION OF PRESENTATIONS BY THE US.
 - A. ECONOMICS, DESIGN AND OPERATION OF SPRAY CANALS.
 - B. ECONOMICS, DESIGN AND OPERATION OF WET/DRY
COOLING TOWERS.

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- C. ECONOMICS, DESIGN AND OPERATION OF DRY TOWERS.
 - D. STATUS OF RESEARCH AND DEVELOPMENT FOR BENEFICIAL
USES OF WASTE HEAT.
 - E. CLEANING CONDENSERS.
2. PRESENTATIONS BY THE USSR.

A. BASIC DIRECTIONS IN DESIGNING HEAT TRANSFER SYSTEMS
FOR THERMAL POWER PLANTS IN THE USSR.

B. SOME RESEARCH RESULTS ON THE INFLUENCE OF WASTE
HEAT ON THE ENVIRONMENT.

C. OTHER PAPERS.

3. DISCUSSION OF USSR PRESENTATIONS AFTER EACH PAPER.

4. DRAFTING OF RECORD OF DISCUSSIONS.

THURSDAY, APRIL 25

VISIT SITE WITH HYPERBOLIC COOLING TOWER.

FRIDAY, APRIL 26

1. VISIT SITE WITH FORCED DRAFT COOLING.

2. VISIT SITE FOR BENEFICIAL USES OF WASTE HEAT.

SATURDAY, SUNDAY, APRIL 27 AND 28

FREE TIME

MONDAY, APRIL 29

VISIT SITE WITH SPRAY CANALS.

TUESDAY, APRIL 30

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VISIT SITE WITH PROTECTIVE DEVICES FOR FISH AT WATER INTAKES.

WEDNESDAY, MORNING, MAY 1

1. FINAL DISCUSSIONS IN NEW YORK CITY.

2. SIGNING OF RECORD OF DISCUSSIONS.

WEDNESDAY, AFTERNOON, MAY 1

FREE TIME

THURSDAY, MAY 2

FREE TIME IN NEW YORK CITY, DEPART U.S.

3. YOU WILL NOTE THAT SUBJECTS PRESENTED IN YOUR LETTER ARE LISTED ON AGENDA. PLEASE NOTIFY ASAP IF THESE DATES ARE ACCEPTABLE.

4. PLEASE PROVIDE ASAP SIZE OF DELEGATION SO THAT NECESSARY PREPARATIONS CAN BE MADE. PLEASE ALSO INFORM OF ENGLISH CAPABILITY OF EACH INDIVIDUAL. A MORE DETAILED ITINERARY WILL BE FORWARDED IN NEAR FUTURE FOR PURPOSES OF AIRLINE TICKETING.

5. FOR THIS VISIT AND RETURN VISIT BY THE U.S. DELEGATION WE WISH PROCEED ON BASIS OF "SENDING SIDE PAYS" WITH UNDERSTANDING THAT "RECEIVING SIDE" WILL ARRANGE FOR FREE EMERGENCY MEDICAL CARE, HOTEL RESERVATIONS AND PROVIDE TRANSLATORS AND INTERPRETERS AS NEEDED.

6. WE LOOK FORWARD TO PRESENTATION OF YOUR TWO REPORTS ON "BASIC DIRECTION IN DESIGNING HEAT TRANSFER SYSTEMS FOR THERMAL POWER PLANTS IN USSR" AND "SOME RESEARCH RESULTS ON THE INFLUENCE OF WASTE HEAT ON THE ENVIRONMENT." IT WOULD BE OF DEFINITE INTEREST TO U.S. DELEGATION IF SOVIET GROUP WOULD ALSO PRESENT AT LEAST TWO ADDITIONAL PAPERS, ONE ON DRY COOLING TOWER ECONOMICS, DESIGN AND CONSTRUCTION, PARTICULARLY AS THIS APPLIES TO RAZDAN STATION, AND A PAPER COVERING USSR STANDARDS

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APPLICABLE TO THERMAL POWER PLANTS. THE US WILL MAKE THE MAJOR PRESENTATIONS DURING THIS VISIT AND WILL EXPECT THAT DURING THE RETURN VISIT THE USSR WILL DO LIKEWISE.

7. WE ARE STUDYING DRAFT PROGRAM PROPOSALS ATTACHED TO YOUR LETTER, WHICH WE THINK PROVIDE GOOD BASIS FOR DISCUSSION AT OUR JOINT MEETING. END QUOTE.

8. TO EXPEDITE VISIT ARRANGEMENTS WOULD APPRECIATE REPLY ASAP. KISSINGER

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